

Amendments to the Claims

Claims 1-6 (Cancelled).

Claim 7 (Currently amended): An apparatus for converting rotational movement against a surface into electrical energy, comprising:

a tire body;

the tire body having an outer wall for contact with the surface and opposite sidewalls;

the tire body comprising a plurality of radial plys;

at least one pad integrated between the radial plys to produce an electrical current as the outer

wall of the tire body is in rotational movement against the surface; and

wherein the pad comprises a ceramic material

Claim 8 (Original): The apparatus of claim 7 further comprising a wheel associated with the tire body, the tire body mounted to the wheel.

Claim 9 (Original): The apparatus of claim 7 wherein the pad comprises a ceramic material.

Claim 10 (Currently amended): ~~The apparatus of claim 7~~ An apparatus for converting rotational movement against a surface into electrical energy, comprising:

a tire body;

the tire body having an outer wall for contact with the surface and opposite sidewalls;

the tire body comprising a plurality of radial plys;

at least one pad integrated between the radial plys to produce an electrical current as the outer

wall of the tire body is in rotational movement against the surface; and

wherein the pad comprises a polymeric film material.

Claim 11 (Original) The apparatus of claim 7 wherein the pad comprises a plurality of layers and a plurality of voids between the layers.

Claim 12 (Previously presented): The apparatus of claim 8 further comprising an electrical connection between each of the at least one pad and a circuit positioned on the wheel.

Claim 13 (Original): The apparatus of claim 12 wherein the circuit portion includes an operational amplifier.

Claims 14-18 (Cancelled).